



IUID Scorecard Briefing for DUSD (A&T)

Honorable Dr. James Finley

Strategic Focus

December 10, 2008



A&T Agenda

- Current Initiatives:
 1. Implementation of Small Arms / Body Armor - USSOCOM
 2. Legacy Assets Working Group – OSD (L&MR)
 3. Depot IUID Management – ARMY G3/5 Enterprise Integration
 4. Serialization Policy Status – ARMY G4
 5. Management of Nuclear Weapons-Related Materiel - OSD (L&MR)
 6. UID Policy Updates - OSD (DPAP)
 - a) IRB Conditions
 - b) DoDI 8320.04 Distribution Memo
 - c) Property Surety Memo Component Update / Feedback
 - d) Confirm Quality Assurance Working Group Representatives
- Back-Up



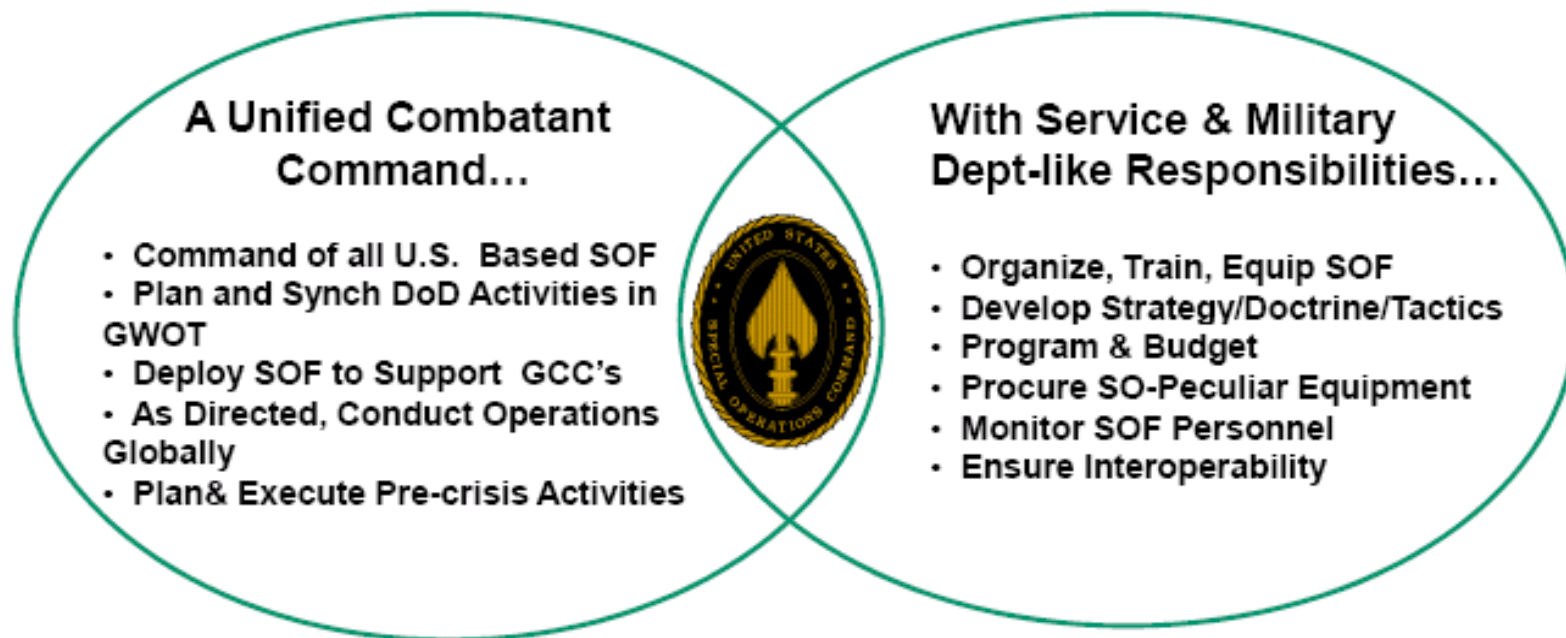
Implementation of IUID on Small Arms & Body Armor

Mr. Phillip Lamneck
Deputy Director, J-4



UNCLASSIFIED

USSOCOM: A Unique Organization



Acronyms

USSOCOM – United States Special Operations Command
SOF – Special Operations Forces
GWOT - Global War on Terror
GCCs – Geographic Combatant Commanders

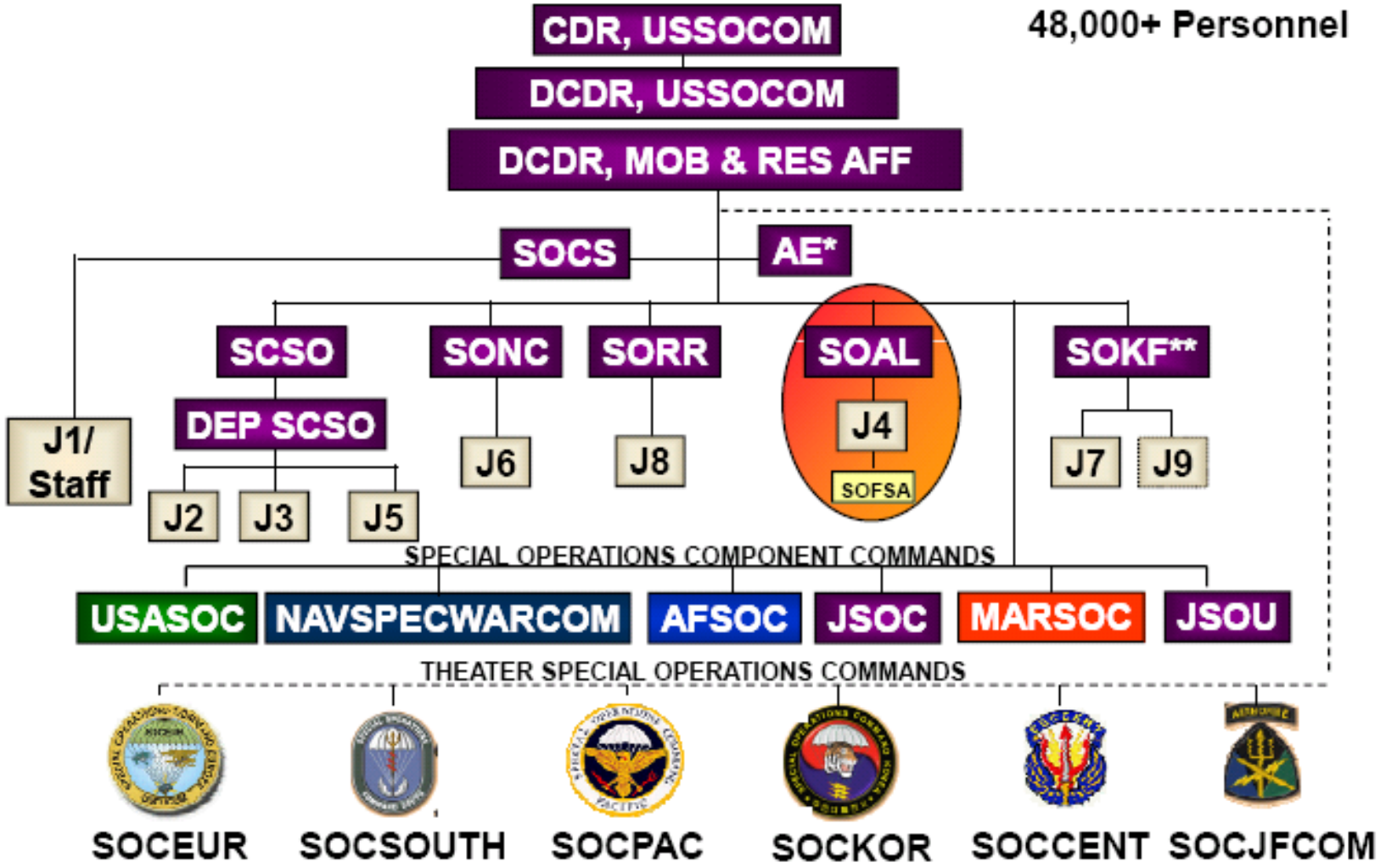
UNCLASSIFIED

USSOCOM/SOAL-J4



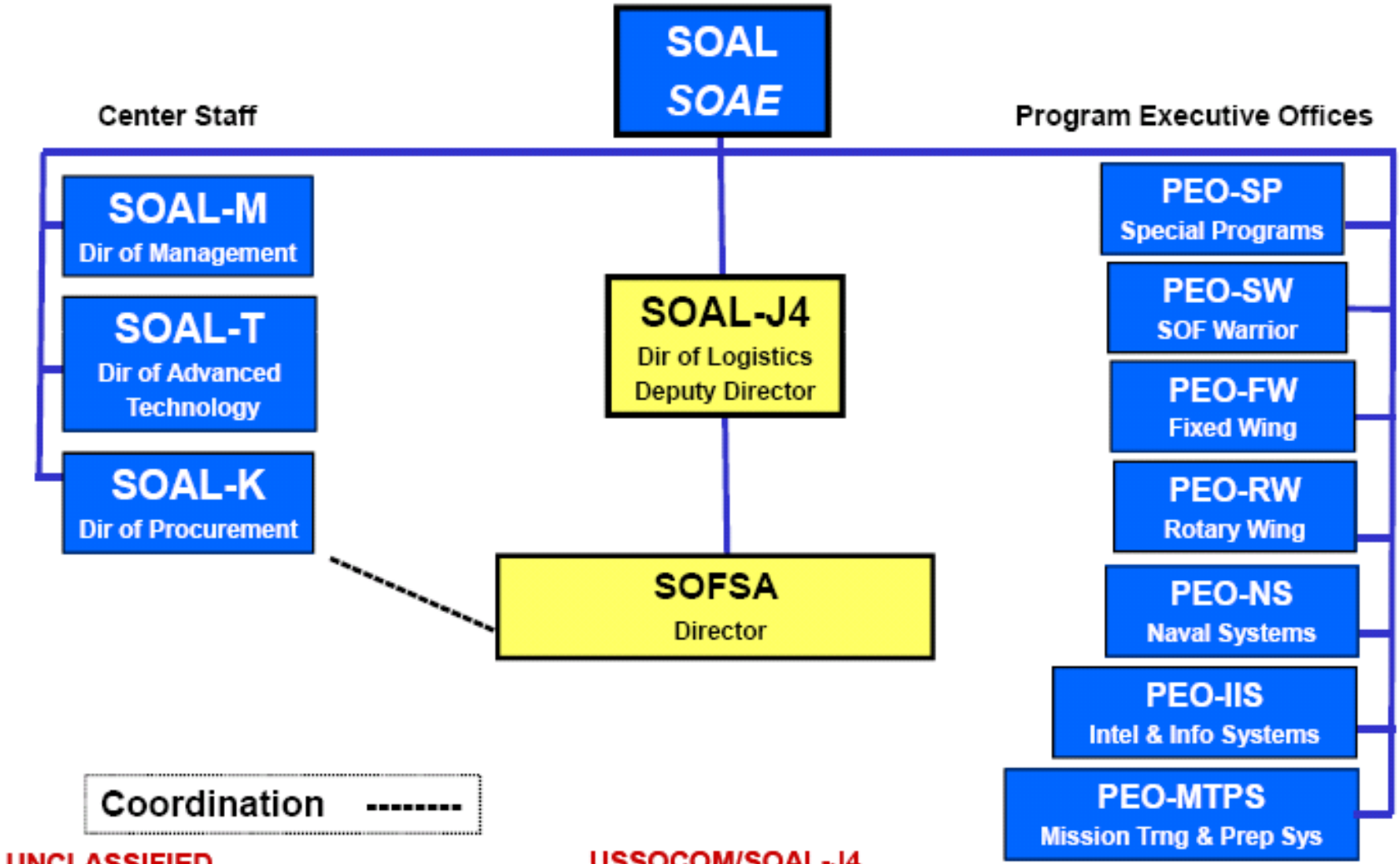
Organizational Structure

48,000+ Personnel





Special Operations Acquisition & Logistics Center





UNCLASSIFIED

IUID Laboratory at SOFSA



**LASER
PRINTER
AND
EXAMPLES**



INK JET PRINTER



DOT PEEN SYSTEM



FIXED VERIFICATION SYSTEM & ZEBRA PRINTER



UNCLASSIFIED

USSOCOM/SOAL-J4



UNCLASSIFIED

Joint Operational Stocks (JOS) Program

JOS Communications Equipment



JOS Force Protection & Other



JOS Night Vision & Optics



JOS Weapons



"Initial IUID Test Bed"

JOS had a Wide Variety of Equipment Items Requiring Multiple IUID Marking Techniques

* 4904 items marked

USSOCOM/SOAL-J4

Joint Operational Stocks JOS 50-Man Set Components



UNCLASSIFIED



UNCLASSIFIED

IUID for Critical Equipment “Safety Issue”

- **CV-22 FAST ROPE**
 - Critical Equipment Item
 - Command Directed for IUID

All 15 Systems Marked and Registered with the SOF and DoD IUID Registries, 10 Oct 08



Actual Tesa IUID Mark Location on Connector Flange (top)

UNCLASSIFIED

USSOCOM/SOAL-J4



UNCLASSIFIED

Rover III Parent/Child Relationship

Rover III

- **Multiple OEMs Deliver Components to SOFSA for Kitting**
 - Originally Only the Case was Marked by the Prime OEM
 - USSOCOM Managed the "Kitting"
- **SOFSA Challenged in Accessing the DoD IUID Registry to Determine and Document Parent/ Child Relationships**



UNCLASSIFIED

USSOCOM/SOAL-J4



UNCLASSIFIED

Rover III Parent/Child Relationship

Rapid Acquisition Fielding Team (RAFT) Initiative



Receiver/Transmitter IUID is a "Child" of "Parent" IUID for the ROVER II Kit.

The ROVER III kit is Marked with a IUID as the "Parent" IUID. The "Child" is Linked in the USSOCOM and DoD IUID Registries.

If the "Child" IUID Changes, i.e. During Maintenance, the "Parent" IUID Record is Updated in the USSOCOM and DoD IUID Registries.



Receiver/ Transmitter IUID Mark Becomes a "Child" of the "Parent" IUID for the ROVER III kit.

UNCLASSIFIED

USSOCOM/SOAL-J4

12
11

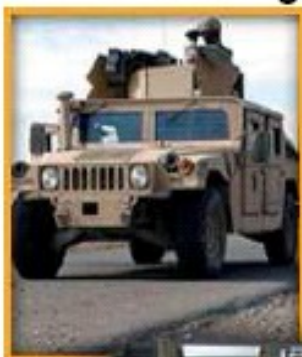


UNCLASSIFIED

Mobile Multi Band Jammer (MMBJ)

MMBJ

- OEM not Capable of IUID Marking
- SOFSA – “the LCSM” Produced and Registered Ulls
- Multiple Part Number Changes over the Life Cycle of the End Item
 - Managed all DoD IUID Registry Record Updates from SOFSA



UNCLASSIFIED



USSOCOM/SOAL-J4



IUID Initiatives

- SO-P Body Armor Plates
- JFKSWCS IUID Marking and Support
- SOF Equipment IUID Marking
- Portable IUID Marking Kit
- USSOCOM IUID Database Conversion
- Alternative Means"/ IUID Support



Body Armor IUID

- Gather SPEAR Generated Body Armor Inventory Data
- Generate “Virtual” Records in SOF and DoD IUID Registries
- Generate “Actual” UIIs During X-Ray/NDI Process and Update SOF and DoD IUID
- 34,011 Gen II Plates “Virtual” Records have been Loaded
- 26,000 MSAP are Awaiting Data Collection Phase



UNCLASSIFIED

IUID “Legacy” Marking: SO-P Body Armor Plates

The SOFSA Provides a Department of Defense (DoD) IUID Labeling in Support of Special Operations – Peculiar (SO-P) Body Armor Plates.

- Project Designed to Mark 60,000 Body Armor Plates
- IUID Records are Managed within the SOF Unique IUID Registry and Loaded into the DoD IUID Registry
- Generate Compliant IUID Labeling, Provide Relevant Data to the USSOCOM Material Management Activity (MMA).

Sept 08, USSOCOM Commander Directed the Serialization of all SO-P Body Armor

SPEAR Program Generates a “Ledger”, by Plate, Number During Annual X-Ray/NDI

IUID Capitalizes our Current Inventory and Inspection Process to Gain Serial Number Level Accountability

Legacy Gen II Plates will be Marked with New Labels (Over the Existing Label) with both 2D Barcodes and 2D Data Matrix Linked to the Serial Number for Ease of Supply Accountability/Inventory



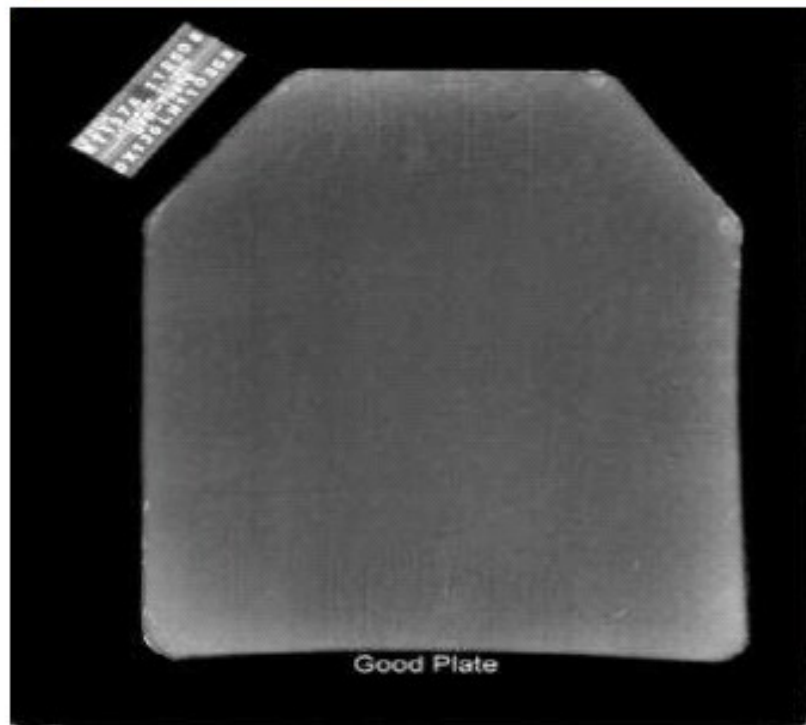
UNCLASSIFIED

USSOCOM/SOAL-J4



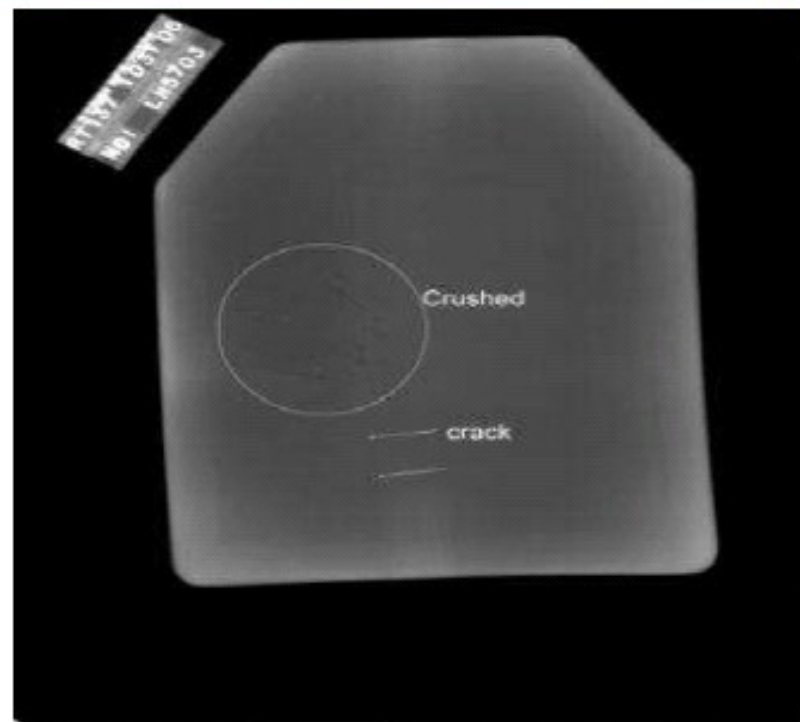
UNCLASSIFIED

Body Armor X-Ray (NDI)



Passed

IUID Team Generates New Label with
"Actual" UII, Registries are Updated



Failed

IUID Team Generates Update with
Disposal Information to "Virtual"
Record and Updates Registries

UNCLASSIFIED

USSOCOM/SOAL-J4



UNCLASSIFIED

IUID “Legacy” Marking and Support: JFKSWCS Joint Armament Facility

Inventory Approximately 17,000 Weapons

- Install “Onsite”- Full IUID Marking & Registration Capability
- Data Gathering Began 17 Nov 08
- Virtual Marking Begins, Mid Dec 08
- Actual Marking Begins Jan 09



UNCLASSIFIED

USSOCOM/SOAL-J4



Portable IUID Marking Kit

Procure a Portable IUID Marking Capability and Establish a Unit Level Marking Schedule

- SOFSA has Procured a Total of Two (2) Portable IUID Marking and Registration Kits:

- Zebra Printer
- Epilog Laser
- Verifier
- Laptop
- Handheld Scanner
- I-Guides/Bartender Software
- Tesa/Mylar labels, Data Plates, etc.

- **Marking Media Consists of:**

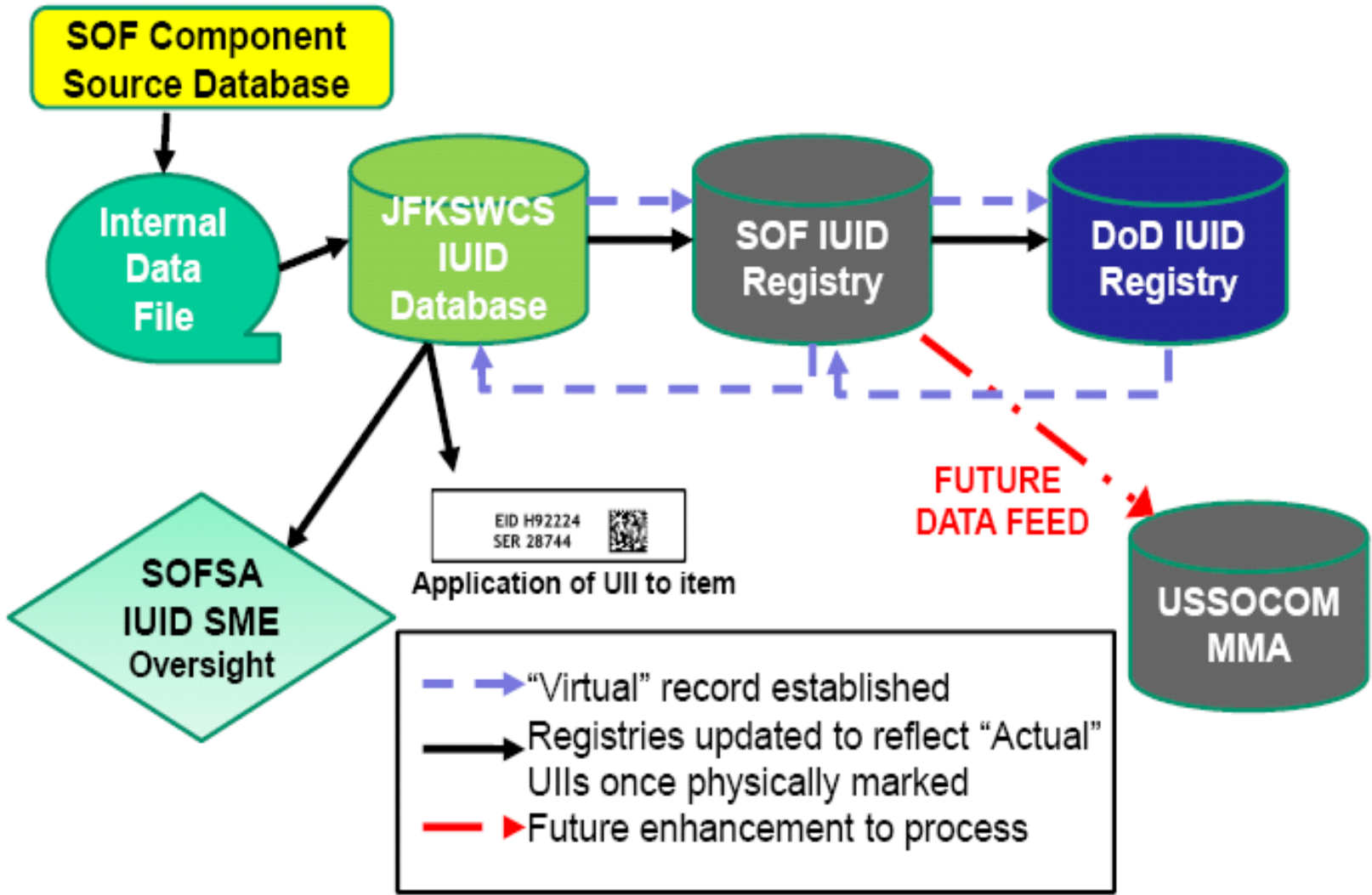
- Tesa Secure Tape
- Mylar Labels
- Cermark Paste
- Aluminum Labels, Data Plates
- Light Laser Etch



SOFSA Portable IUID Marking Kit



IUID Marking Process





UNCLASSIFIED

SOF Equipment IUID Marking

Initially at NSW Crane; then Verification at SOF Units

- Expand the Existing USSOCOM Equipment IUID Marking and Registration Program to all SO-P Major End Items:
 - Expand SO-P Marking/Registration Capability Beyond the SOFSA via a Portable Marking Capability, Registering UIIs in the DoD IUID Registry (Virtual/Actual), and the SOF IUID Registry
 - Provide Necessary Personnel to Mark at SOCOM Unit Locations as Required
 - Ultimately Provides Equipment Asset Visibility Information ISO the USSOCOM Materiel Mgt Activity (MMA)

UNCLASSIFIED

USSOCOM/SOAL-J4



IUID for Classified Units

- Key issue:
 - Compliance with DoD Guidance While Maintaining Data in a Classified Environment
- Senior Leader Guidance: OPSEC is Key !
 - Follows the Same Basic IUID Process
 - Onsite IUID Marking Capability at Selected Locations
 - Data Entered in “Stand Alone” Classified IUID Data Base; Not the DoD IUID Registry
 - Ability to Consolidate “Stand Alone” as Required



UNCLASSIFIED

“Alternative Means” IUID

(IUID for Classified Units)

- Operates Under AT&L Exception
 - USSOCOM Directive 70-2, Annex A
- Provides Life Cycle Support to PEO IUID “Alternative Means” Compliancy
 - Sensitive or Classified Data
 - Maintained Separate IUID Registry
 - Fully DoD Compliant Data, Viewable upon Approval
 - CONOPS
 - Maintain Equipment and Software Installed
 - 2 Year Extended Warranties
 - Quarterly On-site Maintenance and Training
 - Roll up of Enhanced IUID Program IUID Data Analysis and Reporting

UNCLASSIFIED

USSOCOM/SOAL-J4



UNCLASSIFIED

USSOCOM IUID Database Conversion

- Established an “Access Database” in 2007 for PEOs and Program Managers to Post Relevant IUID Information.
- Database is being Migrated to more Robust Platform to Enable Continuous Updates to Program Related Metrics and Program Plans.
- Will Become Our Interface System for USSOCOM IUID Information.
- Key Capabilities Include the Expansion of:
 - Program IUID Implementation Plan Data Related to:
 - Funding
 - DFARS and Contract Compliance
 - Cumulative Virtual/ Actual Mark Registration Counts
 - Program POCs and Implementation Status
- Phase I of this Initiative is Funded: Completion Date of 3rd Quarter FY09

UNCLASSIFIED

USSOCOM/SOAL-J4



Access to DoD IUID Registry

- SOAL J4 MMA has No Way to Query the DoD IUID Registry for Unit Assigned Equipment Delivered with UIIs
 - Joint Command Requiring Information from all Service Property Systems
- No Mechanism to Determine if “Ownership” is Properly Documented in the DoD IUID Registry
 - NSW Crane – is the Weapon Loaded as a Navy or USSOCOM Item?
- No Centralized Repository of Service Common IUID Implementation Plans, Marking Requirements/Drawings
- Goal:
 - Limited and Controlled Automated Access to DoD IUID Registry for Contract Compliance



Summary

- Current status
 - Total Items Marked by SOFSA IUID Center to Date: 106,307 Items Loaded, Registered in DoD IUID Registry
 - Includes USSOCOM PEO End Items, SOFSA Manufactured Equipment, GOCO Property, Etc.
- On-going Efforts:
 - SOF Body Armor
 - Foreign Weapons and SO-P Weapons and Accessories
 - “Alternative Means” IUID Support
 - Sensitive or Classified Data
 - Maintained Separate IUID Registry
 - Command IUID Database Conversion
 - Access to DoD IUID Registry



Legacy Asset Unique Identification

Mr. Greg Kilchenstein
OADUSD (MP&P)



Issue: Implementation on Legacy Assets is Proceeding Too Slowly

Facts:

- Approx. 100M Legacy Items Require IUID Marking - 5% Complete to Date
- Initial Legacy Marking Coincident with Depot Maintenance
- Current Depot Marking Capability is Limited, but many Suppliers for IUID Data Labels/Plates Exist (80-90% of IUID Requisite Legacy Items Contain Data Labels/Plates)
- Application of IUID Marking on Legacy Assets Requires a Change to Existing Work Instructions
- Depot Work Instructions are Provided To and Approved By Cognizant Design Control Activities (Usually the PM's Office)
- Depots are Executing to Provided Work Instructions and Customer Provided Requirements



Partnership

- “Components’ acquisition and logistics communities, program managers, engineering activities, and maintenance activities must work in concert to meet this mandate” (IUID DoDI Issuance Memo)
- Next Steps: A&T(PSA) – L&MR (MP&P) Partnership
 - Charter and Co-Lead Legacy Parts Implementation Working Group
 - Address Parts Marking Mandate
 - Initial Focus on Marking Data Labeled/Plated Items
 - Facilitate Critical Communication between PM and Maintenance
 - Integrate IUID and Serialized Item Management (SIM) Initiatives
 - Share Lessons Learned & Best Practices
 - Set Firm Implementation Schedules (March 2009)
 - Establish Clear Expectations, Feedback Mechanism and Reporting Metrics
 - Kick Off Meeting January 2009



Integrating IUID and SIM “Prime Movers”

Integrated Policy:

- DoDI 5000.2 - Life Cycle Acquisition/Support
- DoDI 4151.19 - Serialized Item Management
- DoDD 8320.03 - Unique Identification (UID)



Standards for a

Net-Centric Department of Defense

- DoDI 8320.04- IUID for Tangible Personal Property
- DAG/Supportability Guide/SEP/RAM

Requirements: CJCS 3170.01F



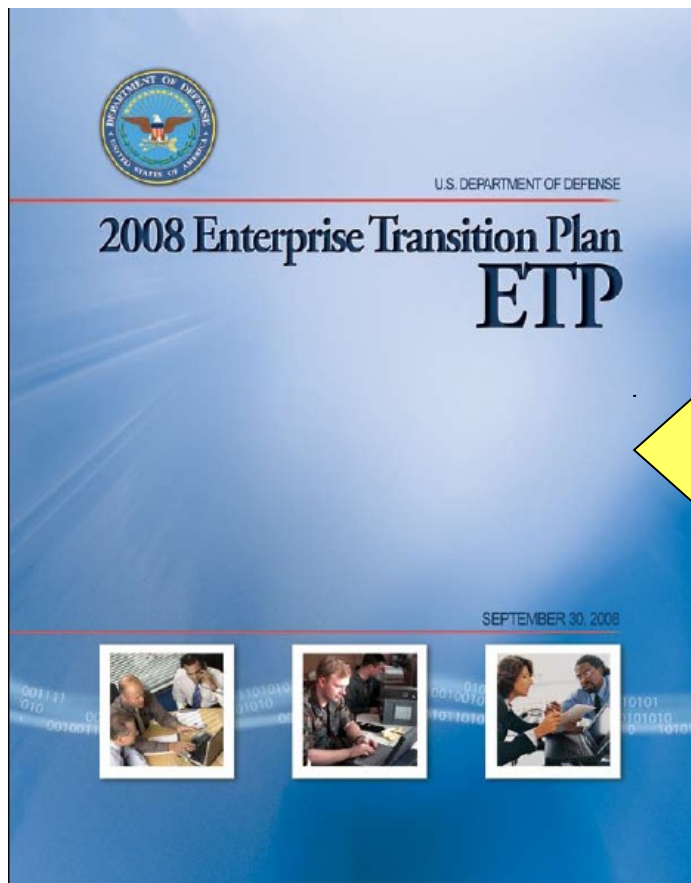
- JROC approved sustainment KPP – Materiel Availability
 - 2 KSAs – Life Cycle Cost, Reliability

Governance/Oversight:

- DAB, DAES, MESC, GAO, BTA-IRB, IUID Scorecard



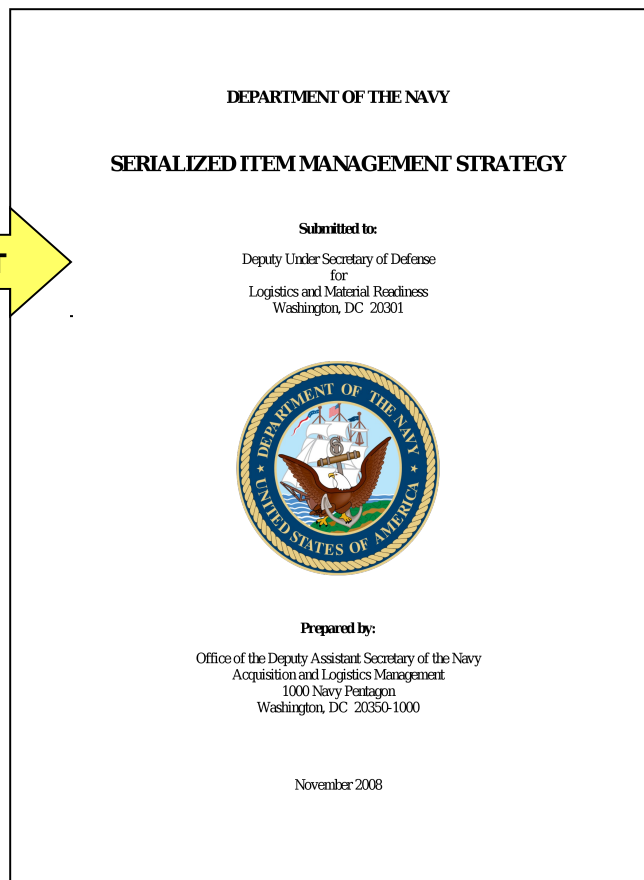
Alignment of ETP & Service Plans



Contains OSD Objectives for Capitalizing on IUID-Enabled SIM to Improve Materiel Maintenance



Service Plans for Capitalizing on IUID-Enabled SIM to Improve Materiel Maintenance





Depot IUID Management

Ms. Dawn LaFalce

US Army Materiel Command

G-3/5 Enterprise Integration



Current Depot Marking Programs

RRAD:

- HMMWV (RESET and overhaul)
- Bradley (joint venture with BAE) - end item and some components (e.g. transmission)
- High Mobility Material Handler (HMMH)
- Small Emplacement Excavator (SEE) - End item only.

RIA

- SECM Lightweight
- FRS
- PQAS
- HSTRU

CCAD

- CH-47
- AH-64
- UH-60



TRAD

- CAISI
- Chemical Automated Alarm Detector Assembly and
- Flight Control Panel
- AN/PPS-14
- AN/TRC-190 Radios, Shelters & Antennae
- AN/ASM 146/147 & AN/ASM 189/190
- BVTC/BITS
- Power Units

LEAD

- HMMWV
- Mobile Kitchen Trailer
- Water Buffalo Trailer
- Patriot

ANAD

- Small Arms - M240 and M240B
- M9 ACE Program - Marking 19 components
- M113 (RESET)
- M1 Tiger Tank Engine (RESET) being marked by OEM
- AVL B(25 items identified)



Task At Hand - Build the Requirements

- HOW: Summits at each LCMC
 - Invite PEOs, IMMCs, depots
 - Discuss where we are and where we need to go
- Deliverables:
 - Types and quantities of marking machines to procure
 - Schedules for marking programs
 - Plans/funding for drawing updates or use of Tech Bulletins
 - Basis for next POM cycle

**Kick-off VTC
17 Dec**

Determine:

WHAT items to mark

All end items

Which eligible reparable items

NOT items close to retirement

WHEN to mark

During RESET

National Maintenance

Other Forward Repair Activities

HOW to mark

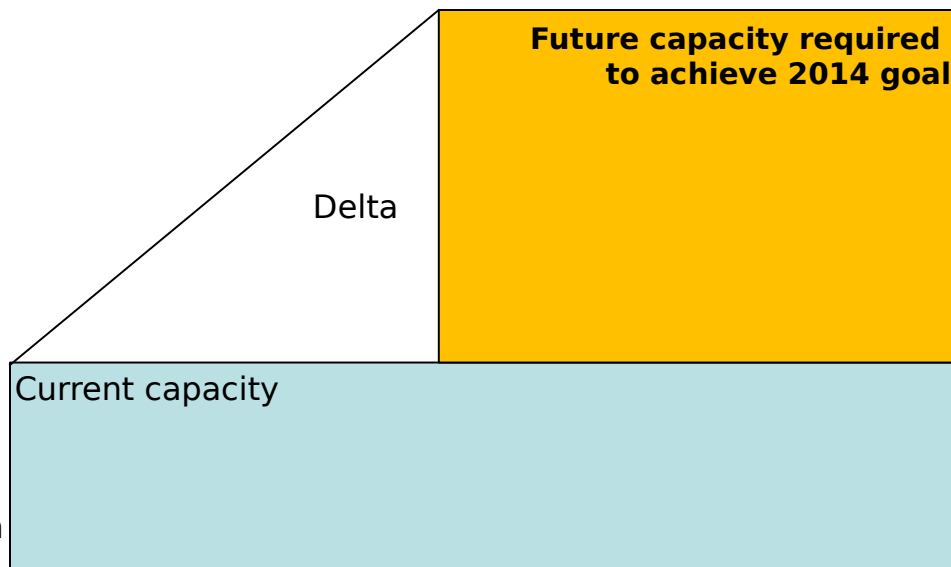
Which construct

What size

TESA, laser etching, etc.

WHERE to mark

PMs must provide exact location





AMC Way Ahead

- Continue marking as part of RESET
- Complete the depot AIT infrastructure
- Expand marking and registration capabilities in depots and on in to Forward Repair Activities:
 - National Maintenance Program (NMP)
 - Small Arms Repair and Evaluation Team (SARET)
 - Communications Equipment Evaluation Repair Teams (CEER-T)
 - Chemical Biological Evaluation Repair Teams (CBERT)



Army Serialization Policy Status

Mr. Robert Woodson
DCS G-4 Maintenance
Directorate



Army Serialization Policy Memorandum and Army Serialized Item Management (SIM) Program Plan

Meeting Between OSD/DA G4 Director of Maintenance, 26 sep 08

- Army agreed to develop and staff (1) Army Policy Memorandum on Item Identification, Lifetime Traceability and Serialization and (2) a SIM Program Plan

- Serialization/Traceability Policy Memorandum

Status: Draft Policy Memorandum staffed for comments to Army commands and activities

- Briefed to DA G4
- Field input being reviewed for full implications and effects. Resolution of differences, etc.
 - » Memorandum to be approved for Army implementation and for coordination with OSD and sister services for review - Jan 09
 - » Resolution projected for Mar 09.

- SIM Program Plan

Status: Policy Memorandum staffed for comments to Army commands and activities

- Draft SIM Program Plan staffed to Army commands/activities for review and comments
 - » Received and reviewing comments
 - » Plan to be approved- Jan 09

Bottom Line: Development of Army Policy and SIM Program Plan is On-going



Management of Nuclear Weapons-Related Materiel

Ms. Kathleen Smith
OSD (L&MR), Supply Chain
Integration (SCI)



Nuclear Weapons-Related Materiel

IUID Scorecard Meeting
Dec 10, 2009

Kathy Smith
ODUSD(L&MR/SCI)



Background

- March 26, 2008, SecDef directed Air Force, Navy, and Defense Logistics Agency perform a comprehensive review and physical inventory by serial number of all nuclear weapons and nuclear weapons-related materials under their possession
 - Report results within 60 days
 - Include personal assessment & recommendations
- USD(AT&L) established an Inventory Oversight Team (IOT) to oversee inventory and review process and facilitate a coordinated response to the Secretary of Defense.
 - Led by PDATSD(NCB)
 - Representatives from USD(AT&L), Air Force, Navy, Defense Logistics Agency, Joint Staff, DTRA, Army



Results

- The AF, Navy and DLA completed its inventories in April 2008.
 - No discrepancies with nuclear weapons or nuclear components were found.
 - Discrepancies with NWRM were found due to misidentification of components, miscounting of inventory and failure to promptly add maintenance items to the accountable record.
 - All discrepancies have been resolved.
- A new DoD definition of NWRM was developed
- Items meeting the NWRM definition were identified
- New special handling procedures were developed for these sensitive items
- NWRM items were required to be serially managed



NWRM requires IUID

- All individual NWRM items will be accounted for and managed by serial number
- The NWRM serial number will meet the requirements of DoDI 8320.04, "Item Unique Identification (IUID) Standards for Tangible Personal Property," June 16, 2008.
 - This will include assignment of a Unique Item Identifier (UII).
 - Consistent with appropriate engineering analysis, the individual NWRM item in the DoD supply system will be marked with the machine-readable UII or assigned a virtual UII as appropriate in accordance with IUID policy.
- The UII marked item will be captured by automated identification technology and used to establish and maintain positive inventory control.
- A Serialized Item Management implementation plan for the serialized management of NWRM items will be submitted to AT&L by end of January 2009.



Special Handling Procedures

- 100 percent reporting of shipments and receipts
- Readily identifiable packaging
- Verification of content prior to packing
- Validation of receipts at the individual item level by UII, and for kind, count and condition
- 100 percent physical count by UII at least semi-annually unless tracked as part of the end item
- Disassembled NWRM items not subsequently reassembled in the same action will be added to the accountable records within 24 hours of disassembly
- No commingling of unserviceable NWRM items with serviceable items or other unserviceable items of another condition.
- NWRM items will be identified in key information systems to ensure personnel handling the materiel are alerted that special handling procedures are required
- Training on detailed handling procedures for new and existing personnel



Path Forward

- Issue AT&L memorandum with DoD-wide special handling procedures for designated nuclear weapons-related components designed to advance SecDef and AT&L objectives for tighter NWRM control – Completed Oct 2009
- Work with Services on SIM plans for NWRM items due end of January 2009 – In progress with AF and Navy PMs
- Incorporate into DoD directives and Service/Agency-level policies no later than April 2009 – In progress for DoD 4140.1-R
- Continue oversight by the Nuclear Weapons Council and Senior National Security Presidential Directive (NSPD)-28 Oversight Committee – Ongoing



UID Policy Updates

Mr. Robert Leibrandt
OSD (DPAP), UID Program
Office



IUID Investment Review Board Conditions

- 8 systems already received the IUID IRB condition
 - For list of systems, see slide 82 in back-up
- BTA will recommend 6 systems receive the condition at the December IRB
 - For list of systems, see slide 83 in back-up
- BTA developing Compliance Questionnaire to aid Program Managers in determining IUID requirements
- OSD (L&MR) reviewed and approved questionnaire with minor changes – in process of revising
- OSD (DPAP) to review and approve upon completion of revisions



DoDI 8320.04 Distribution Memo

- All Comments have been resolved
- All Concurrences have been received
- Current Status:
 - Signed by the USD (AT&L)
 - Hard copies provided



Property Surety Memo Component Update / Feedback

- Additional Comments received from Army & USSOCOM
- Key Comments on Memo
 - Introduces new policy in addition to policy which already exists, into one document
 - Expands policy in reference documents beyond what was originally required
 - Confusion to which accountable property system is the authoritative system
 - Transportation Mgmt. Systems not considered
 - Property can be accountable to only one accountable property system at a time



QA Working Group Representatives

Organization	Representative Present @ 1st OAWG (10/22)
SOCOM	Lorie Vance (HQ SOCOM)
	Greg Tait (HO SOCOM)
ARMY	Rochelle Riebau (HO AMC/ACC)
DLA	Gloria Walker (HO/DLA)
AF	William C. Hunley (SAF/AQXA)
	Michael Schwann (A4ID)
	James McNamera (A4ID)
I 4	James Hooper (I SI 4)
NAVY	Dennis Moran (PDREP)
	Shanna Poole (DASN A&LM)
	Jane Zimmerman (COMFISCS)
	Jeff Allan (J DRS)
	Tom Bryant (J DRS)
	Neil DeStefano (PODR)
DCMA	Paula George (DCMA-OCT)



Back-Up Briefings

Component Updates



Back-up Table of Contents

- Component Updates
 - Army
 - Navy
 - AF
 - SOCOM
 - DLA
- Component Level Metrics
 - DoD Contract Compliance Scorecard
- National Level Traceability
- Systems Receiving IRB Conditions



Department of the Army

IUID Scorecard Update



Implementation Activities

- **New Policy Issuances & Actions**

- Army Strategy completed 8 Sep 08
- ASA(ALT) working with Program Evaluation Groups (PEGs) to develop Resource Formulation Guidance for POM 11-15

- **Plan Status**

- New Program Plans this Quarter = 0
- Age of Pre-existing Plans
 - Less than 1 year old = 250 (66%)
 - 1-2 years old = 72 (19%)
 - More than 2 years old = 55 (15%)

A green, stylized cloud graphic with a black outline and a drop shadow. Inside the cloud, the text "377" is written in red, and "plans" is written in red below it.

377
plans



Hot Topics from September 4 Scorecard

- **IUID Investment Requirements**

- Implementing guidance to be provided to Army G-8 for POM 11-15 by Jan 09

- **SIM Policy/Plan**

- Meeting between OSD/DA G-4 Director of Maintenance defined course of action
- Draft SIM Policy Memo and Plan staffed/comments under review, final staffing

Jan 09

- **Outreach Efforts**

AKO Website (now on-line)

<https://www.us.army.mil/suite/page/547636>

Good News Stories

Lessons Learned

Calendar of Events/Training

Plan Repository

Current Policy

Army News

LOGSA IUID Coordination Meetings

Office of the Assistant Secretary of the Army (AL&T) - 5
November 08

LOGSA Implementation Plan Office & Registry Office - 19
November 08

Bottom Line

**Continued Focus on Resourcing, SIM &
Outreach Efforts**



National Maintenance Program (NMP) Pilot

- **Marking Strategy Developed to Identify Marking Capability at NMP sites**
 - Mark all identified items with the IUID in accordance with standards established in DoD I 8320.04
 - Assess the adequacy of the SAMS-IE (SCP 13) to perform automated data capture of item identity (IUID or equivalent) at all stages of the maintenance process
 - IUID Data Plate to be manufactured at LEAD and applied at test location
- **Test Sites**
 - Sites identified
 - Fort Hood, TX (Active Component Facility)
 - Clackamas, OR (National Guard Facility)
 - AMC to conduct final coordination site visit at both locations - scheduled 8-11 Dec 08
- **Test Scheduled Jan - Jun 09**
- **Test report due to DA G4/ASA(ALT) Jul 09**



Marking at Forward Repair Activities

- **Marking Strategy Developed to Identify Marking Capability at Forward Repair Activities (installation and field level marking):**
 - Projected Activities
 - Small Arms Repair and Evaluation Team (SARET) – PM J-AIT funded pilot begins 3QFY09
 - Communications Equipment Evaluation Repair Teams (CEER-T) – tentative start date is 3QFY09
 - Chemical Biological Evaluation Repair Teams (CBERT) – tentative start date is 3QFY09



Army Contract Clause Compliance

- 4Q08 sampling results:
 - 65.63% of sampled contracts included the IUID contract clause were coded as supplies in FPDS-NG
- Actions:
 - PARCs provided Get Well Plans for clause compliance and will continue to monitor compliance with their Get Well Plans

Bottom Line

Continue Reinforcement of Clause Requirement



Department of the Navy

IUID Scorecard Update



DoN Issues/Challenges

- **Progress Varies Across DoN**
 - DoN Life Cycle Item Identification WIPT working to develop an enterprise strategy, consistent business rules/processes, and communication plan
- **Technical Data/Engineering Analysis**
 - Determine impact to Form/Fit/Function of Safety of Flight and Critical Subcomponents prior to physical marking
 - Analyzing feasibility of issuing Technical Guidance Supplement for items not affected by Form/Fit/Function
- **Schedule**
 - Immediately identify/mark “low hanging fruit”
 - Develop post production marking capability for legacy equipment
 - Identify opportunities to mark legacy equipment at times/locations other than during depot maintenance
 - Develop strategy/timeline to mark items with long maintenance cycle
- **Resources**
 - Funding will continue to be a challenge until POM process catches up
 - Minimize man-hours required by automating, where feasible, and developing smart processes/practices

Bottom Line

No Quick Solution



Implementation Activities

- **Policy/Guidance Issuances:**

- Sponsor-Owned Material, Government-Owned Material and Plant and Project Stock Management SECNAVINST 4440.33 updated to include IUID requirement
 - Final signature expected Dec 08
- IUID SECNAVINST formal staffing expected in Jan 09
- Added IUID clause to Navy Standard Procurement System Integrity Tool
 - Warns of errors where IUID clause should apply to supply contracts
 - Relates contract modifications to base contract to ensure IUID clause inclusion
- Navy & Marine Corps Acquisition Regulation Supplement (NMCARS) 5211.274-2 issued requiring copy of exceptions also be submitted to DASN (A&LM)
- Incorporated IUID reviews in quarterly Procurement Performance Management Assessment Program (PPMAP) process
 - Conducted at NAVFAC, 12-21 Nov 08
- IAW DASN ACQ memo (dtd) 12 Jan 07, HCAs reporting plan for fulfillment of DAU Course CLC033

- **Plan Status:**

- New Program Plans this Quarter: 0
- Age of Pre-existing Plans
 - 1 year old or less: 48% (151)
 - 1-2 years old: 17% (54)
 - More than 2 years old: 35% (109)



Hot Topics from 4 Sep Scorecard

- **Maritime Prepositioning Ships Squadron Three (MPSRON-3) implementation endorsed by Naval Logistics Integration (NLI) Executive Board**
 - 16 ships undergo scheduled maintenance (MMC-9)
 - 12-month period
 - 17,000+ marking opportunities
 - Navy and Marine Corps equipment sets
- **Collaborating on expanded use of Navy-developed GOTS IUID Tools**
 - Quick Compliance Tool Suite (QCTS)
 - Non-intrusive Front End (NiFE)
 - IUID Registry Gateway Services
- **Process mapping / gap analysis**
 - Determination and Finding (D&F) process being conducted
 - Crypto legacy equipment to scheduled 2QFY09
- **SIM Planning**
 - Overarching DoN SIM Plan developed & formally staffed
 - SYSCOM Appendices under development
 - Goal for completion: Jan 09

Bottom Line **Leverage synergy and commonality across DoN ...**



Out Reach Efforts

- **Inaugural DoN IUID Enterprise Training Symposium**
 - 18-19 Nov 08, at NSWC Corona, CA
 - 80+ participants
 - Shared best practices, lessons learned and pitfalls to avoid
 - Article prepared for inclusion in Navy Supply Corps Newsletter
- **NAVSEA IUID Strategy Session**
 - 9-10 Dec 08, Washington Navy Yard
 - 25+ participants
 - Develop standardized Sea Enterprise implementation approach
- **DoN IUID Concept of Operations (CONOPS) under development**
- **DoN IUID website under development**
- **IUID update briefing presented to Weapons Systems Lifecycle Management - Materiel Supply and Services Management (WSLM-MSSM) IRB on 10 Dec**
 - Increased emphasis on AIS capability/functionality
- **Briefed DoN implementation approach to MSC Afloat Prepositioning Enterprise Training Symposium, 6-10 Oct 08**

Bottom Line **Communication, communication, communication ...**



Next Steps

- **Publish DoN IUID Strategy, CONOPS & SECNAVINST**
- **Establish DoN IUID Configuration Control Board**
 - Categorize and prioritize DoN IUID efforts via DIIMF process
 - Consistent methodology for approving standard processes
 - Eliminate redundancy and duplication of efforts
 - Identify process gaps and develop standard solutions
- **Consider developing consolidated IUID POM submission**
- **Continue development & maturation of standard processes & tools**
- **Identify Department-wide requirements, minimizing implementation cost**
 - IUID Marking Support Office (IMSO)
 - Central Database for DoN IUID processing and reporting
 - IUID Wiki

Bottom Line

Continue Charging Forward ...



Air Force

IUID Scorecard Update



Air Force Issues/Challenges

- **Marking Schedule**

- Air Force agrees with extending the DOD deadline from 2010 to 2015.
- Items with long maintenance cycles and low demand may not be physically marked
- Part Marking Pathfinder assesses process to mitigate issue and reduce population of unmarked items

- **Depot Implementation**

- Air Force does not agree to start part marking all parts that traverse a depot by 1 Apr 09 -DODI Distribution Memo
- Implementation at depots hampered by lack of funding for engineering analysis for aircraft sub-components
- Requires more scrutiny to changes that may affect form/fit/function of a critical sub-component

Bottom Line **Challenges Remain in Marking & Implementation**

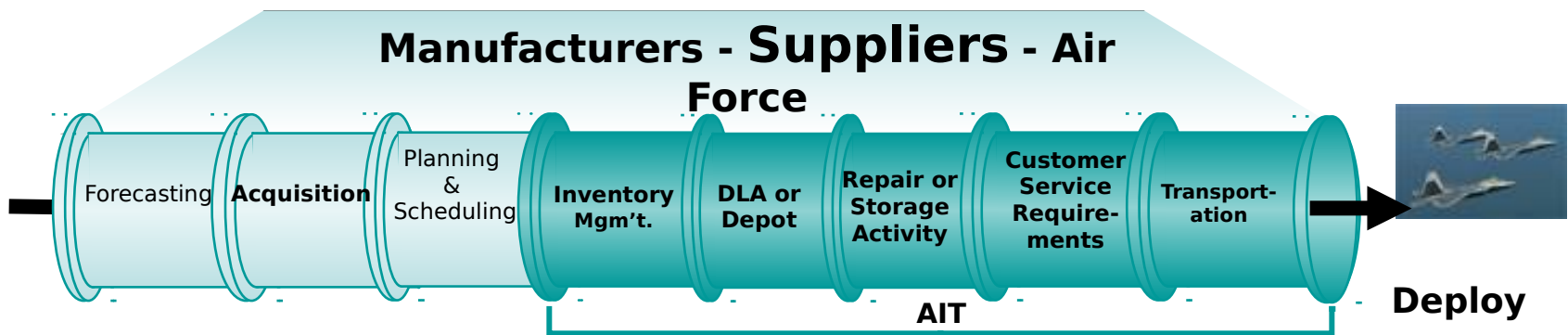


Implementation Activities

- New Policy Issuances released expected Summer 2009
 - AFPD 63-1/20-1 in Final Coordination
 - AFI 63-101 in Mandatory Coordination
 - AFPAM 63-128 in Technical/Functional Coordination
 - AFI 63-131 in Technical/Functional Coordination
- Plan Status
 - New Program Plans this Quarter – 1
 - Age of Pre-existing Plans
 - 41 plans (46%) 1 year old or less
 - 3 plans (3%) 1-2 years old
 - 45 plans (51%) More than 2 years old



Supply Chain Pipeline



1. Mark it	2. Track it	3. Share it
<ul style="list-style-type: none">• Define in acquisition• Establish legacy processes• Automated data capture• Improved data accuracy• Reduced paperwork	<ul style="list-style-type: none">• Reduced cycle-time• Improved asset visibility and accountability• Improved capacity utilization of tools• Increased dispatch reliability	<ul style="list-style-type: none">• Repair history• Cycle time info• Centralized documentation• Increased maintenance reliability

End to End Visibility and Information





U.S. Special Operations Command

IUID Scorecard Update



USSOCOM UID Issues & Challenges

- **RESOURCES**

- Although some funding was received to begin marking and registering, USSOCOM still lacks sufficient funding to mark all identified assets
- Lack of manpower slots to conduct analysis, research, integration, and reengineering of business processes to collect and utilize the UII of MFP-11 assets

- **INTER-SERVICE PARTNERING: RISK OF COMPETING POLICY, PROCESS, AND TECHNOLOGY**

- Reliance on Services
 - To ensure UID compliance of service common assets (A/C, Vehicles, Weapons)
 - Modify supporting AIT/AIS to capture IUID data

- **CHANGING PERSPECTIVE:** “Asset Accountability” vs. “Asset Life Cycle Management” to develop a workforce of Life Cycle Managers that will track and trace assets through their life cycle utilizing the UII

BOTTOM LINE - COMMUNICATION WITHIN AND OUTSIDE OF THE COMMAND IS CRITICAL TO STRATEGIZE FOR RESOLUTION OF THESE ISSUES



Implementation Activity

- **PEO-SOF Warrior - Foreign Military Weapons Program**

- IUID marking, registration and support of Joint Armament Facility
- Arms Room Automation
- SOF equipment IUID marking at NSWC, Crane
- IUID Marking of SOF Body Armor Plates

- **PEO-Special Programs - Special Mission Unit Equipment:**

- Enhanced IUID Life Cycle Sustainment Management

- **USSOCOM SOAL J-4**

- IUID Marking Program

BOTTOM LINE

**USSOCOM IS ACTIVELY MANAGING RECEIVED FUNDING
TO ADVANCE THE CAUSE AND PROMISE OF IUID**



Implementation Activity

CONTINUED

- **USSOCOM SOAL-M**

- IUID Microsoft Access Database Conversion to Oracle
 - Phased Approach
- Phase I to provide:
 - More efficient management of UID data
 - Currently 83 IUID Program plans that cover 168 acquisition programs
 - Capability for administrative, data entry, and report users
 - Interface to Special Operations Forces Total Asset Visibility (SOFTAV) database
 - TAV UID Report Capability

BOTTOM LINE

**USSOCOM IS UTILIZING CURRENT TECHNOLOGY
TO HELP MANAGE THE FUTURE OF THE IUID PROGRAM**



Out-Reach Efforts

- **PEO-Fixed Wing - Unmanned Aircraft Systems (UAS) Program:**
 - USSOCOM PEO-FW logistics working with J7 to formalize requirement and acquire funding to utilize UII
- **USSOCOM IUID Newsletter - Winter - Jan 09**
 - Latest UID information to Components
 - Policy Updates
 - Implementation Activity
 - UID Question and Answer Column
 - Good News Stories
 - Guest Written Articles

BOTTOM LINE -

USSOCOM ATTEMPTS TO EXTEND ITS REACH WITHIN THE COMMAND TO MEET THE UID MANDATE THROUGH COMMUNIC



USSOCOM IUID Program Plan Status

LATEST DATA UPDATE IN PROGRESS - WILL REPORT NEW DATA NEXT QTR

Current as of Jun 08	PEO - Fixed Wing	PEO - Rotary Wing	PEO - SOF Warrior	PEO - Intelligence & Information Systems	PEO - Naval Systems	PEO - Special Programs	MISC Plans
Programs	Gunship, Combat Talon, Combat Shadow, EC-130J Commando Solo, UAV System	Chinook, Little Bird, Blackhawk, Platform MOD Programs	Weapons, Survival Equipment, Ground Mobility Vehicles	Comm Systems, C4 Systems, Psych Ops Broadcast System	Patrol Boat, NSW RIB, Seal Delivery System, Special Operations Riverine Craft, UBA	Classified Systems	FAMCART, Joint Operations Stock (JOS), EPS, PIPC, Simulators
Total # Program Plans Required	7	7	12	25	14	13	5
# of New Identified Plans	0	2	0	3	0	0	5
# Acq Programs 100% Compliant	0	0	3	0	2	8	1
% Acq Programs 100% Compliant	0%	0%	25%	0%	13.3%	61.5%	20%

BOTTOM LINE - USSOCOM HAS 83 IUID PROGRAM PLANS THAT COVER 168 ACQ PROGRAMS, PROJECTS, AND TECHNOLOGY PROJECTS



Hot Topics

- **Current USSOCOM process for item traceability**
 - Special Operations Forces Total Asset Visibility (SOFTAV) database
 - Basis of Issue
 - Equipment Management Interface
 - Asset Visibility Reports
 - SOF Sustainment Asset Visibility Information Exchange (SSAVIE)
 - Table of Equipment Distribution and Allowance
 - USSOCOM Directive 700-2
- **USSOCOM actions to promote increased coordination between PM's and Depots**
 - Currently, USSOCOM PM's and components interface directly with their respective services and depots

BOTTOM LINE

**USSOCOM IS UTILIZING CURRENT TECHNOLOGY
TO ACHIEVE TOTAL ASSET VISIBILITY**



Defense Logistics Agency

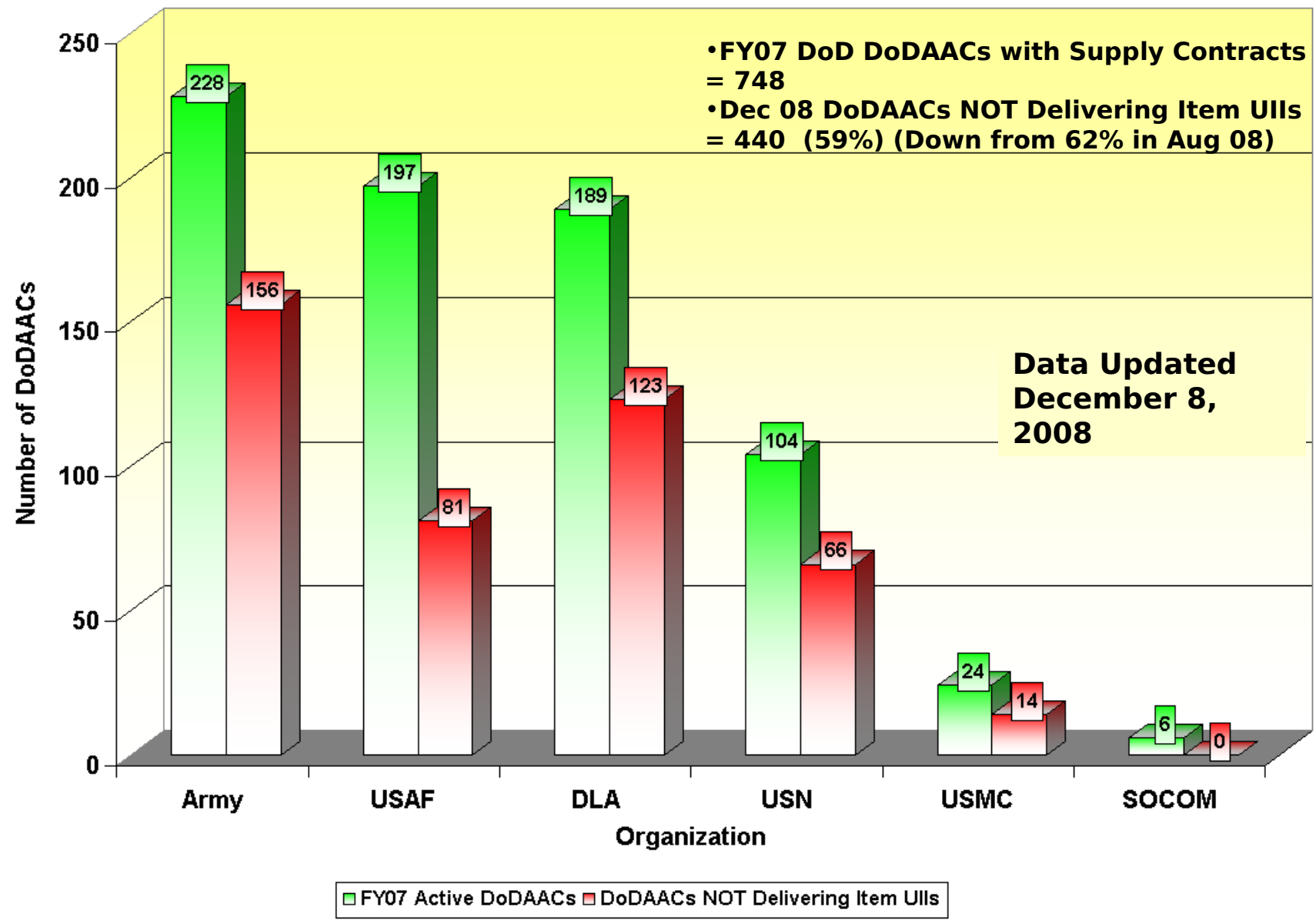
IUID Scorecard Update



Component Level IUID Metrics



Potential Delinquent DoDAACs (IUID Procurement Policy Deployment)





IUID Program Growth Trends

(Total Expected UII Population = 97M from Current Population = 4.9 M)

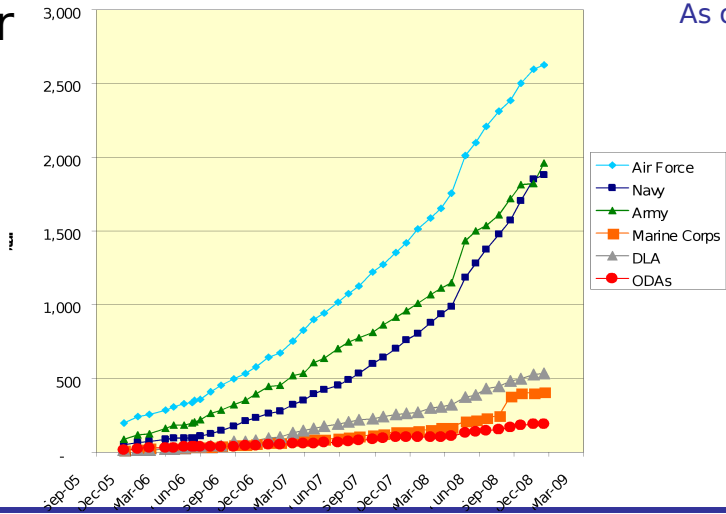
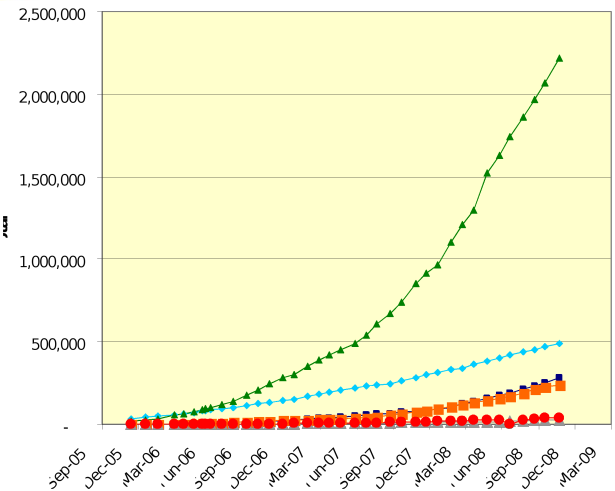
New UII Growth by Contracting Component

As of 3 Dec 2008

New UII Contracts - Growth by Component

As of 3 Dec

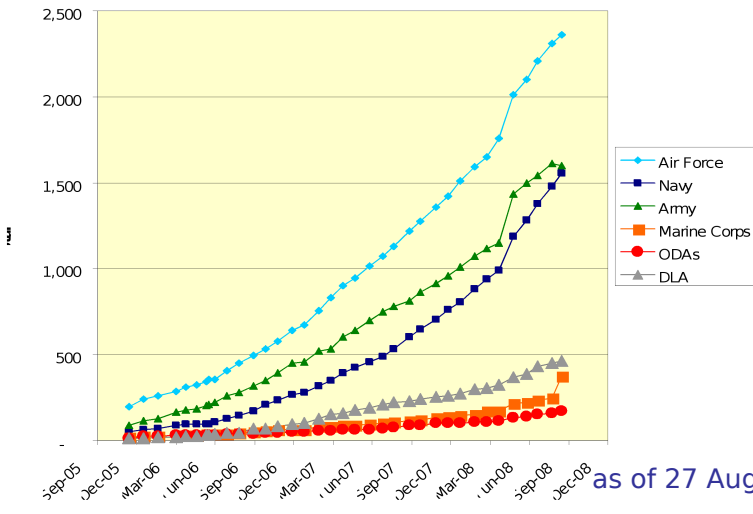
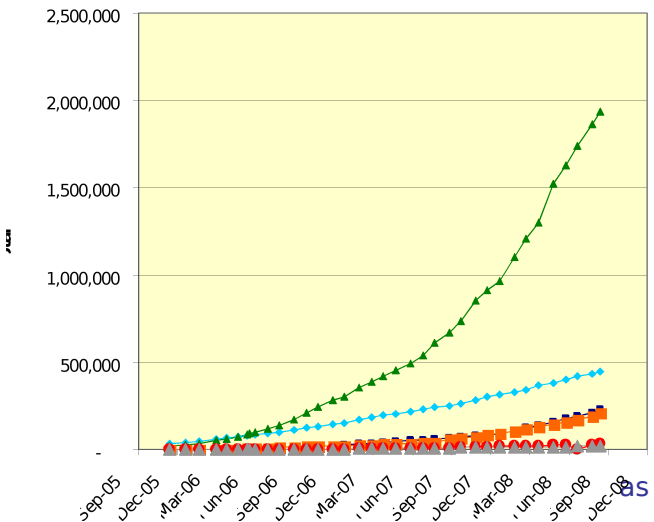
This Quarter



UIIs in Registry (New Items)

Contracts in Registry

Last Quarter



As of 27 Aug 2008

As of 27 Aug 2008

Bottom Line

Growth Trend Continues to Increase in Number and Rate



Primary Keys: Order of Precedence

Notional

	Current Environment	To Be Environment
Legacy Maintenance System	<div>1) <i>Manufacturer's Part Number</i> 2) <i>Type Designator</i> 3) <i>National Stock Number</i> 4) <i>Unique Item Identifier</i></div>	<div>1) <i>Unique Item Identifier</i> 2) <i>Manufacturer's Part Number</i> 3) <i>Type Designator</i> 4) <i>National Stock Number</i></div>
Supply System	<div>1) <i>National Stock Number</i> 2) <i>Manufacturer's Part Number</i> 3) <i>Type Designator</i> 4) <i>Unique Item Identifier</i></div>	<div>1) <i>National Stock Number</i> 2) <i>Unique Item Identifier</i> 3) <i>Type Designator</i> 4) <i>Manufacturer's Part Number</i></div>

*** Must have at least one, but could have all ***

**** Purpose of primary keys is not for ordering procedures, but to help Program Managers determine the part needed for replacement ****



Systems with UID Condition

NAVY

MERIT

FEM

SHIPS 3-M

OTS

DLA

EBS

ePROCUREMENT

ARMY

LIW

TRICARE

DMLSS



Recommended Systems for UID Condition

- Recommend Condition for December IRB
 - NAVY
 - MFOM / MMRAS
 - SYMIS INV (LDS)
 - SYMIS INV (MRMS)
 - DLA
 - DSS
 - RBS
 - BTA
 - CAMS-ME



National Level Traceability

- The highest level of organized DoD information traceability
 - Serially managed items
 - Reparables
 - Major End Items
 - Assets managed at bulk level
 - Nuclear materials
- Traceability Criticality Levels (TCLs – 0,1,2,3)
 - Degree to which property will be traced
 - TCL 0 = lowest; TCL 3 = highest
 - Characterized by five factors:
 1. Visibility Reporting Level
 2. Degree of visibility
 3. Material Classification
 4. Traceability Events
 5. Traceability Purposes



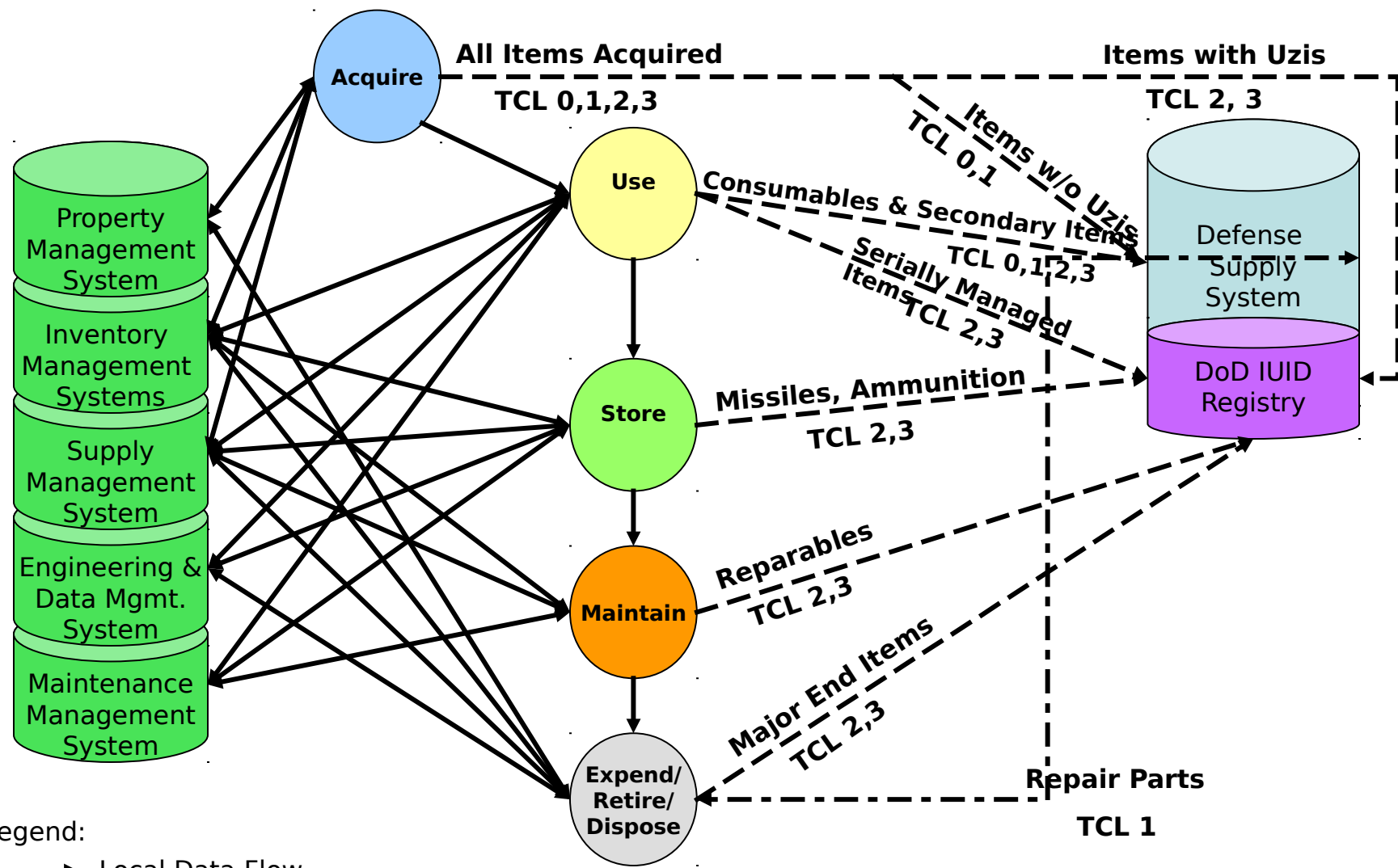
Traceability Matrix for Asset Visibility

Visibility Reporting	TCL	Degree of Visibility	Applies to Materiel Classification:	Traceability Events	Traceability Purpose
Accountable Property Officer at DODAAC/UIC Level (Retail Level)	0	✓ By Quantity by Case, Weight or Volume	<ul style="list-style-type: none">➢ Class II – Clothing, Expendable Individual Equipment, Consumable Admin and Housekeeping Supplies➢ Class I – Subsistence➢ Class III – Bulk Fuels, Chemicals & Coal➢ Class IV – Fortification and Barrier Materials➢ Class VIII – Consumable Medical Supplies	<input type="checkbox"/> Acquisition <input type="checkbox"/> Usage	<ul style="list-style-type: none">❖ Stewardship Responsibility❖ Property Management
	1	✓ By Quantity by Each or Case	<ul style="list-style-type: none">➢ Class II – Non-Expendable Individual Equipment; Sets, Kits and Outfits; Pilferable Items w/o Uzis Assigned➢ Class III – Packaged Petroleum Products➢ Class IX – Repair Parts and Components w/o Uzis assigned	<input type="checkbox"/> Acquisition <input type="checkbox"/> Usage <input type="checkbox"/> Disposal	<ul style="list-style-type: none">❖ Stewardship Responsibility❖ Property Management
Accountable Property Officer at DODAAC/UIC Level (Retail Level) and at National Level (Distribution Centers Maintenance Depots Contractor Plants)	2	✓ By Each by Serial Number	<ul style="list-style-type: none">➢ Class II – Pilferable Items with Uzis Assigned➢ Class IV – Installed Equipment➢ Class VII – Major End Items➢ Class VIII – Medical Capital Equipment, Medical Non-Capital Equipment with Uzis Assigned, including Medical-Peculiar Repair Parts➢ Class IX: Repair Parts and Components including Kits, Assemblies and Subassemblies with Uzis assigned, including Government Furnished Material➢ Capital Equipment – Property in the Possession of Contractors (PIPC)	<input type="checkbox"/> Acquisition <input type="checkbox"/> Storage <input type="checkbox"/> Usage <input type="checkbox"/> Maintenance <input type="checkbox"/> Retirement <input type="checkbox"/> Disposal	<ul style="list-style-type: none">❖ Stewardship Responsibility❖ Property Management❖ Failure Analysis❖ Safety Assurance❖ Maintenance History❖ Operational Use History❖ Warranty Compliance❖ Military Equipment Valuation
	3	✓ By Quantity by Each by Lot, or ✓ By Each by Serial Number	<ul style="list-style-type: none">➢ Class V – Ammunition of all types (including Chemical, Biological, Radiological, and Special Weapons), Bombs, Explosives, Mines, Fuses, Detonators, Pyrotechnics, Missiles, Rockets, Propellants, and other Associated Items➢ Class VII – Small Arms, Cryptographic Equipment, Radiological Equipment➢ Class VIII – Narcotics	<input type="checkbox"/> Acquisition <input type="checkbox"/> Storage <input type="checkbox"/> Usage <input type="checkbox"/> Maintenance <input type="checkbox"/> Disposal	<ul style="list-style-type: none">❖ Stewardship Responsibility❖ Property Management❖ Failure Analysis❖ Safety Assurance❖ Maintenance History❖ Operational Use History❖ Warranty Compliance❖ Military Equipment Valuation

Legend: **TCL – Traceability Criticality Level**
DODAAC – Department of Defense Activity Address Code
UIC – Unit Identification Code
24/7 – Twenty-four Hours a Day, Seven Days a Week
UII – Unique Item Identifier



Notional Traceability Event Data Flows



Legend:
→ Local Data Flow
--> National Data Flow



What's in it for Maintainers?

